

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	8734783
<b>Application Number:</b>	10567424
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	4429
<b>Title of Invention:</b>	Mutations in Ion Channels
<b>First Named Inventor/Applicant Name:</b>	John Charles Mulley
<b>Customer Number:</b>	25297
<b>Filer:</b>	Arles A. Taylor/Belinda Perkins
<b>Filer Authorized By:</b>	Arles A. Taylor
<b>Attorney Docket Number:</b>	1386/23
<b>Receipt Date:</b>	29-OCT-2010
<b>Filing Date:</b>	09-DEC-2008
<b>Time Stamp:</b>	16:25:03
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	no
------------------------	----

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part/.zip	Pages (if appl.)
1		IDS1asfiled.pdf	2272802 7580f1e55ec99d734f19aae047beee40ade5d267	yes	18

Multipart Description/PDF files in .zip description					
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Filed (SB/08)		3	18	

**Warnings:**

**Information:**

2	NPL Documents	WO84003564.pdf	1043449 f79a7755c85a55ddaa2cd3374b655043c695 e2fab	no	30
---	---------------	----------------	----------------------------------------------------------	----	----

**Warnings:**

**Information:**

3	NPL Documents	AU199656247.pdf	801810 9d5d8d652fc10258ec47dd41c856403b432 a38af	no	19
---	---------------	-----------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

4	NPL Documents	WO97002048.pdf	6854299 0e39a912a1e4b6ff2e290f13aa593e63a3e0 0f5f	no	125
---	---------------	----------------	---------------------------------------------------------	----	-----

**Warnings:**

**Information:**

5	NPL Documents	WO200138564.pdf	8103117 f9e1b9a093cd9afceec1a3e537dabbae4d88 08ac	no	268
---	---------------	-----------------	---------------------------------------------------------	----	-----

**Warnings:**

**Information:**

6	NPL Documents	WO0188125.pdf	2529768 eff0a03c4dc2c957155d3cb1abceec61c714 5923	no	60
---	---------------	---------------	---------------------------------------------------------	----	----

**Warnings:**

**Information:**

7	NPL Documents	WO200198486.pdf	4205998 68abac111ae0471956878cbe702b78cff1e 88b9	no	99
---	---------------	-----------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

8	NPL Documents	WO200206521.pdf	3461500 71ba9f81f1d2ea400c7fc57543c2a2a14736 15ab	no	73
---	---------------	-----------------	---------------------------------------------------------	----	----

**Warnings:**

**Information:**

9	NPL Documents	WO200250096.pdf	5635659 8a93d111ec707a4ce9248ca767e8d3ffefa 07ea	no	198
---	---------------	-----------------	--------------------------------------------------------	----	-----

**Warnings:**

**Information:**

10	NPL Documents	WO03008574.pdf	5056160 558f96c43fbfb2d5c0de3f31709d381e2c51 9c3	no	106
----	---------------	----------------	--------------------------------------------------------	----	-----

**Warnings:**

**Information:**

11	NPL Documents	WO2004085674.pdf	2930504 dddd8a3b362874519746d6cb5311006b34 fc4c29	no	61
----	---------------	------------------	---------------------------------------------------------	----	----

**Warnings:**

**Information:**

12	NPL Documents	WO2005014863.pdf	15198538 23903d49474c6adfdb6d738b869ffca10374 3aa8	no	347
----	---------------	------------------	----------------------------------------------------------	----	-----

**Warnings:**

**Information:**

13	NPL Documents	AbstractsofDecisions2007.pdf	818289 74b6a782ef888633ad5ec72e75fc9f50e848 814b	no	10
----	---------------	------------------------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

14	NPL Documents	Alekovetal.pdf	551838 2f571cf16dbcede9cde8953cc41a5818d58e b13f	no	7
----	---------------	----------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

15	NPL Documents	Andermann.pdf	2515332 b494453e321d1a77676c6f9a9f4206efde03 3694	no	21
----	---------------	---------------	---------------------------------------------------------	----	----

**Warnings:**

**Information:**

16	NPL Documents	Annegers.pdf	652234 a14d62f90034c57205ba541e0fe29fbe0c59 5a8c	no	8
----	---------------	--------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

17	NPL Documents	Baulac.pdf	508431 21a30210ab8645d1d3d11c93c8d40cd847 04617	no	8
----	---------------	------------	-------------------------------------------------------	----	---

**Warnings:**

**Information:**

18	NPL Documents	Bell.pdf	430594 f0c983893c91545684613329b456d0dbb8a 00dfd	no	2
----	---------------	----------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

19	NPL Documents	Bendahhou.pdf	188318 f7dbbf87c7c1df9cf4786bd0f0b51c92dd9f7 3d9	no	10
----	---------------	---------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

20	NPL Documents	Berkovic1987.pdf	986179 4deb7447dc69cafda30faec3b49773bf1275 b39e	no	8
----	---------------	------------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

21	NPL Documents	Berkovic2000.pdf	240659 252a3203126b67fd867752468705a584032 5ea7a	no	1
----	---------------	------------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

22	NPL Documents	Berkovic1994.pdf	815246 5460fc519e37b9d4c5f37eeaabcc6dc40367 756c	no	13
----	---------------	------------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

23	NPL Documents	Bertrand.pdf	862238 4f67b044384e1b2b5cf0aed051008215a24 e1d10	no	10
----	---------------	--------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

24	NPL Documents	Bievert.pdf	873454 f03c5ca7516dd16d1726000fca7f6db564cc 60b0	no	4
----	---------------	-------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

25	NPL Documents	Bourgeois.pdf	446679 73d1789db461910b1ee00c4da917187d68 5d9f89	no	6
----	---------------	---------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

26	NPL Documents	Cannon.pdf	240942 018d1053d26fe4d62cf2665793b7b5a0882 6327c	no	3
----	---------------	------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

27	NPL Documents	Cavazzuti.pdf	3003190 b541444d4a452168422f74fd01d8b7b9449 10f72	no	13
----	---------------	---------------	---------------------------------------------------------	----	----

**Warnings:**

**Information:**

28	NPL Documents	Charlier.pdf	562332 96bbf938b30e53a93477a2671d2fbf35dcca b2a4	no	3
----	---------------	--------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

29	NPL Documents	Chou2003.pdf	463603 d899dd422df1558a2dca2096ae751ad42fe b3230	no	5
----	---------------	--------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

30	NPL Documents	Claes.pdf	408983 2433ea31775c0408beb9e0d459f515e2844 99b66	no	6
----	---------------	-----------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

31	NPL Documents	Collins.pdf	1255109 73fc7f821b6227f6a9b216bd131037a71667 0e1d	no	4
----	---------------	-------------	---------------------------------------------------------	----	---

**Warnings:**

**Information:**

32	NPL Documents	CommissiononClassificationan dTerminology.pdf	1158474 c6fcdf0877d136ceb136ccb4b9856596fe23 0991	no	11
----	---------------	--------------------------------------------------	---------------------------------------------------------	----	----

**Warnings:**

**Information:**

33	NPL Documents	EP_OA07_14_2006.pdf	330672 1ea9889c2e00a2848e63e88e9d46f505820 bb8d6	no	6
----	---------------	---------------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

34	NPL Documents	DatabaseUniProt.pdf	729051 1c308c6c2561ba34f5a84ec764c94bf30f00 b845	no	8
----	---------------	---------------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

35	NPL Documents	depalma.pdf	364512 f1eb849edff3db24af0c93998511025ef997 8ba	no	5
----	---------------	-------------	-------------------------------------------------------	----	---

**Warnings:**

**Information:**

36	NPL Documents	Doose1989.pdf	10176454 a2c089c6ffff7b2434e2f76a1e8e808e3a2063 209	no	64
----	---------------	---------------	-----------------------------------------------------------	----	----

**Warnings:**

**Information:**

37	NPL Documents	Doose1987.pdf	750618 1fd9538feeb8cc1f243ed7f8cc397750365 d7d3	no	6
----	---------------	---------------	-------------------------------------------------------	----	---

**Warnings:**

**Information:**

38	NPL Documents	Dworakowska.pdf	2067846 1bf0a510d2751400a4db1826b9ace063fc6 1445	no	20
----	---------------	-----------------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

39	NPL Documents	Escayg2000.pdf	280835 e6be479915651ab64de4827aaa36980b6c7 9a6b5	no	3
----	---------------	----------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

40	NPL Documents	ESR10_04_2007.pdf	115565 c9091fa6c76220c9fa19ee41d57428d9e677 6f37	no	4
----	---------------	-------------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

41	NPL Documents	EFR_AU05_06_2004.pdf	227065 ddaa8a54e56a13c6d112fee664712164cf76 5351	no	4
----	---------------	----------------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

42	NPL Documents	Finkelstein.pdf	540815 1ed693472f6261746bceb507dc18965009e 5bf42	no	6
----	---------------	-----------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

43	NPL Documents	Fong.pdf	2007072 e9e4f5299bbc5d6f4cd937fb11649ff9022c 866	no	13
----	---------------	----------	--------------------------------------------------------	----	----

**Warnings:**

**Information:**

44	NPL Documents	fukuma.pdf	671812 a303fc58b27ec0381e82392e06913282527 9e9b1	no	9
----	---------------	------------	--------------------------------------------------------	----	---

**Warnings:**

**Information:**

45	NPL Documents	Gardiner.pdf	727794 0f177d99e9af6a941d54aa7ec8da8aeb29ef908	no	8
<b>Warnings:</b>					
<b>Information:</b>					
46	NPL Documents	genbankaccessionAB093548.pdf	79010 03b8fecb5e03ef7b7ff8395af80d9e6abc89970	no	4
<b>Warnings:</b>					
<b>Information:</b>					
47	NPL Documents	genbankaccessionM22253.pdf	80494 26792d377ab879e445cacdf81cbaf6a6b7a526a1	no	4
<b>Warnings:</b>					
<b>Information:</b>					
48	NPL Documents	genbankaccessionNM012647.pdf	95701 5d5d04de5b22ef1c0c6cab61feb81d69800b647	no	6
<b>Warnings:</b>					
<b>Information:</b>					
49	NPL Documents	GenBankLocusAF225985.pdf	330627 0ba10ee47a9b2cd1b64e411d22c532f0284a5809	no	4
<b>Warnings:</b>					
<b>Information:</b>					
50	NPL Documents	GenBankLocusNM006920v2.pdf	726392 acd6441d7840bbb9f3e0fa4ab88f531fedfc1d2d	no	11
<b>Warnings:</b>					
<b>Information:</b>					
51	NPL Documents	Fujiwara1992.pdf	471859 cbd21d5b7c1f1fef739226e25abdc132624ea901	no	6
<b>Warnings:</b>					
<b>Information:</b>					
52	NPL Documents	GenbankAccessionNumberNM_172107.pdf	394701 1a20751e70be968de9edb02b2594b048b443eb8	no	5
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>				96244623	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.